Leandros A Maglaras

List of Publications by Year
in descending order

146 papers	5,281 citations	147726 31 h-index	98753 67 g-index
156 all docs	156 docs citations	156 times ranked	4433 citing authors

#	Article	IF	Citations
1	Blockchain Technologies for the Internet of Things: Research Issues and Challenges. IEEE Internet of Things Journal, 2019, 6, 2188-2204.	5.5	480
2	Deep learning for cyber security intrusion detection: Approaches, datasets, and comparative study. Journal of Information Security and Applications, 2020, 50, 102419.	1.8	421
3	Security and Privacy in Fog Computing: Challenges. IEEE Access, 2017, 5, 19293-19304.	2.6	413
4	Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 718-752.	8.5	246
5	Security and Privacy for Green IoT-Based Agriculture: Review, Blockchain Solutions, and Challenges. IEEE Access, 2020, 8, 32031-32053.	2.6	223
6	DeepCoin: A Novel Deep Learning and Blockchain-Based Energy Exchange Framework for Smart Grids. IEEE Transactions on Engineering Management, 2020, 67, 1285-1297.	2.4	208
7	Authentication Protocols for Internet of Things: A Comprehensive Survey. Security and Communication Networks, 2017, 2017, 1-41.	1.0	193
8	Security for 4G and 5G cellular networks: A survey of existing authentication and privacy-preserving schemes. Journal of Network and Computer Applications, 2018, 101, 55-82.	5.8	190
9	Edge-IIoTset: A New Comprehensive Realistic Cyber Security Dataset of IoT and IIoT Applications for Centralized and Federated Learning. IEEE Access, 2022, 10, 40281-40306.	2.6	168
10	RDTIDS: Rules and Decision Tree-Based Intrusion Detection System for Internet-of-Things Networks. Future Internet, 2020, 12, 44.	2.4	142
11	A Novel Hierarchical Intrusion Detection System Based on Decision Tree and Rules-Based Models. , 2019, , .		140
12	Cyber security of critical infrastructures. ICT Express, 2018, 4, 42-45.	3.3	122
13	A Cybersecurity Detection Framework for Supervisory Control and Data Acquisition Systems. IEEE Transactions on Industrial Informatics, 2016, 12, 2236-2246.	7.2	117
14	Social Internet of Vehicles for Smart Cities. Journal of Sensor and Actuator Networks, 2016, 5, 3.	2.3	114
15	Intrusion detection in SCADA systems using machine learning techniques. , 2014, , .		107
16	Blockchain and Random Subspace Learning-Based IDS for SDN-Enabled Industrial IoT Security. Sensors, 2019, 19, 3119.	2.1	107
17	Privacy-Preserving Schemes for Ad Hoc Social Networks: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 3015-3045.	24.8	103
18	Federated Deep Learning for Cyber Security in the Internet of Things: Concepts, Applications, and Experimental Analysis. IEEE Access, 2021, 9, 138509-138542.	2.6	103

#	Article	IF	Citations
19	Route Optimization of Electric Vehicles Based on Dynamic Wireless Charging. IEEE Access, 2018, 6, 42551-42565.	2.6	82
20	Human behaviour as an aspect of cybersecurity assurance. Security and Communication Networks, 2016, 9, 4667-4679.	1.0	76
21	A systematic review of data protection and privacy preservation schemes for smart grid communications. Sustainable Cities and Society, 2018, 38, 806-835.	5.1	73
22	FELIDS: Federated learning-based intrusion detection system for agricultural Internet of Things. Journal of Parallel and Distributed Computing, 2022, 165, 17-31.	2.7	67
23	Combining ensemble methods and social network metrics for improving accuracy of OCSVM on intrusion detection in SCADA systems. Journal of Information Security and Applications, 2016, 30, 15-26.	1.8	66
24	Integrated OCSVM mechanism for intrusion detection in SCADA systems. Electronics Letters, 2014, 50, 1935-1936.	0.5	56
25	DeliveryCoin: An IDS and Blockchain-Based Delivery Framework for Drone-Delivered Services. Computers, 2019, 8, 58.	2.1	56
26	A novel Intrusion Detection System against spoofing attacks in connected Electric Vehicles. Array, 2020, 5, 100013.	2.5	56
27	HEART-IS: A novel technique for evaluating human error-related information security incidents. Computers and Security, 2019, 80, 74-89.	4.0	55
28	Vulnerability Analysis of Network Scanning on SCADA Systems. Security and Communication Networks, 2018, 2018, 1-21.	1.0	53
29	Authentication and Authorization for Mobile IoT Devices Using Biofeatures: Recent Advances and Future Trends. Security and Communication Networks, 2019, 2019, 1-20.	1.0	51
30	Authentication schemes for smart mobile devices: threat models, countermeasures, and open research issues. Telecommunication Systems, 2020, 73, 317-348.	1.6	44
31	Cyber Ranges and TestBeds for Education, Training, and Research. Applied Sciences (Switzerland), 2021, 11, 1809.	1.3	44
32	Distributed clustering in vehicular networks. , 2012, , .		40
33	Social Clustering of Vehicles Based on Semi-Markov Processes. IEEE Transactions on Vehicular Technology, 2016, 65, 318-332.	3.9	40
34	The industrial control system cyber defence triage process. Computers and Security, 2017, 70, 467-481.	4.0	38
35	A Holistic Cybersecurity Maturity Assessment Framework for Higher Education Institutions in the United Kingdom. Applied Sciences (Switzerland), 2020, 10, 3660.	1.3	30
36	EASBF: An efficient authentication scheme over blockchain for fog computing-enabled internet of vehicles. Journal of Information Security and Applications, 2021, 59, 102802.	1.8	30

#	Article	IF	Citations
37	Cooperative approaches for dymanic wireless charging of Electric Vehicles in a smart city. , 2014, , .		29
38	Internet of Cloud: Security and Privacy Issues. Studies in Big Data, 2018, , 271-301.	0.8	28
39	OCSVM model combined with K-means recursive clustering for intrusion detection in SCADA systems. , 2014, , .		27
40	Deep Learning Techniques for Cyber Security Intrusion Detection : A Detailed Analysis. , 2019, , .		23
41	Evaluating information security core human error causes (IS-CHEC) technique in public sector and comparison with the private sector. International Journal of Medical Informatics, 2019, 127, 109-119.	1.6	22
42	New measures for characterizing the significance of nodes in wireless ad hoc networks via localized path-based neighborhood analysis. Social Network Analysis and Mining, 2012, 2, 97-106.	1.9	19
43	Employee Perspective on Information Security Related Human Error in Healthcare: Proactive Use of IS-CHEC in Questionnaire Form. IEEE Access, 2019, 7, 102087-102101.	2.6	18
44	Use Of Smartphones for Ensuring Vulnerable Road User Safety through Path Prediction and Early Warning: An In-Depth Review of Capabilities, Limitations and Their Applications in Cooperative Intelligent Transport Systems. Sensors, 2020, 20, 997.	2.1	18
45	Intrusion Detection System for Platooning Connected Autonomous Vehicles. , 2019, , .		17
46	Privacy-preserving Schemes for Fog-based IoT Applications: Threat models, Solutions, and Challenges. , 2018, , .		16
47	A Novel Intrusion Detection Mechanism for SCADA systems which Automatically Adapts to Network Topology Changes. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2017, 4, 152155.	1.5	16
48	Threats, Countermeasures and Attribution of Cyber Attacks on Critical Infrastructures. EAI Endorsed Transactions on Security and Safety, 2018, 5, 155856.	0.5	16
49	Blockchain and Its Role in the Internet of Things. Springer Proceedings in Business and Economics, 2019, , 1029-1038.	0.3	15
50	Estimating the Relative Speed of RF Jammers in VANETs. Security and Communication Networks, 2019, 2019, 1-18.	1.0	14
51	Attribution of Cyber Attacks on Industrial Control Systems. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2016, 3, 151158.	1.5	14
52	WHISPER: A Location Privacy-Preserving Scheme Using Transmission Range Changing for Internet of Vehicles. Sensors, 2021, 21, 2443.	2.1	13
53	Measuring the Risk of Cyber Attack in Industrial Control Systems. , 0, , .		13
54	Exploiting vehicular communications for reducing CO2 emissions in urban environments. , 2013, , .		12

#	Article	IF	Citations
55	Enhanced Spring Clustering in VANETs with Obstruction Considerations. , 2013, , .		12
56	An introduction to cyber peacekeeping. Journal of Network and Computer Applications, 2018, 114, 70-87.	5.8	12
57	Cybersecurity maturity assessment framework for higher education institutions in Saudi Arabia. PeerJ Computer Science, 2021, 7, e703.	2.7	12
58	CYRAN. , 2018, , 622-637.		12
59	Layered backpressure scheduling for delay reduction in ad hoc networks. , 2011, , .		11
60	Vulnerability Assessment of Cyber Security for SCADA Systems. Computer Communications and Networks, 2018, , 59-80.	0.8	11
61	A NIS Directive Compliant Cybersecurity Maturity Assessment Framework. , 2020, , .		11
62	Intrusion Detection in Critical Infrastructures: A Literature Review. Smart Cities, 2021, 4, 1146-1157.	5.5	11
63	Cyberterrorism targeting the general public through social media. Security and Communication Networks, 2016, 9, 2864-2875.	1.0	10
64	An assessment of the application of IT security mechanisms to industrial control systems. International Journal of Internet Technology and Secured Transactions, 2017, 7, 144.	0.3	10
65	Developing cyber peacekeeping: Observation, monitoring and reporting. Government Information Quarterly, 2019, 36, 276-293.	4.0	10
66	A novel intrusion detection method based on OCSVM and K-means recursive clustering. EAI Endorsed Transactions on Security and Safety, 2015, 2, e5.	0.5	10
67	Real-Time Information Security Incident Management: A Case Study Using the IS-CHEC Technique. IEEE Access, 2019, 7, 142147-142175.	2.6	9
68	A Detailed Analysis of Using Supervised Machine Learning for Intrusion Detection. Springer Proceedings in Business and Economics, 2020, , 629-639.	0.3	9
69	Cyber Security: From Regulations and Policies to Practice. Springer Proceedings in Business and Economics, 2019, , 763-770.	0.3	8
70	Teaching the process of building an Intrusion Detection System using data from a small-scale SCADA testbed. Internet Technology Letters, 2020, 3, e132.	1.4	8
71	Using Gamification to Raise Awareness of Cyber Threats to Critical National Infrastructure. , 0, , .		8
72	Modern Authentication Methods: A Comprehensive Survey. , 0, 2022, 1-24.		8

#	Article	IF	Citations
73	Clustering in Urban environments: Virtual forces applied to vehicles. , 2013, , .		7
74	MIMO Techniques for Jamming Threat Suppression in Vehicular Networks. Mobile Information Systems, 2016, 2016, 1-9.	0.4	7
75	Editorial: Industrial Internet of Things (I2oT). Mobile Networks and Applications, 2018, 23, 806-808.	2.2	7
76	Managing incident response in the industrial internet of things. International Journal of Internet Technology and Secured Transactions, 2018, 8, 251.	0.3	7
77	Stochastic Optimization of Electric Vehicle Charging Stations. , 2019, , .		7
78	The Impact of the Adversary's Eavesdropping Stations on the Location Privacy Level in Internet of Vehicles. , 2020, , .		7
79	SCIPS. International Journal of Cyber Warfare and Terrorism, 2017, 7, 1-15.	0.3	6
80	Two-Hop Monitoring Mechanism Based on Relaxed Flow Conservation Constraints against Selective Routing Attacks in Wireless Sensor Networks. Sensors, 2020, 20, 6106.	2.1	6
81	The Security Aspects of Automotive Over-the-Air Updates. International Journal of Cyber Warfare and Terrorism, 2020, 10, 64-81.	0.3	6
82	A novel Two-Factor HoneyToken Authentication Mechanism. , 2021, , .		6
83	Insecure by Design: Using Human Interface Devices to exploit SCADA systems. , 2015, , .		6
84	A Distributed IDS for Industrial Control Systems. International Journal of Cyber Warfare and Terrorism, 2014, 4, 1-22.	0.3	5
85	An Industrial Control Systems incident response decision framework. , 2015, , .		5
86	A security architectural pattern for risk management of industry control systems within critical national infrastructure. International Journal of Critical Infrastructures, 2017, 13, 113.	0.1	5
87	Electronic medical records and risk management in hospitals of Saudi Arabia. Informatics for Health and Social Care, 2019, 44, 189-203.	1.4	5
88	On the conference key distribution system with user anonymity. Journal of Information Security and Applications, 2020, 54, 102556.	1.8	5
89	Novel Intrusion Detection Mechanism with Low Overhead for SCADA Systems. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 160-178.	0.4	5
90	Cybersecurity in the Era of Digital Transformation: The case of Greece. , 2020, , .		5

#	Article	IF	Citations
91	Optimization of Corona Effects in Small Air Gaps Stressed by DC Voltages. , 2012, , .		4
92	The mimetic virus: a vector for cyberterrorism. International Journal of Business Continuity and Risk Management, 2016, 6, 259.	0.2	4
93	Improved Security Performance for VANET Simulations. IFAC-PapersOnLine, 2016, 49, 233-238.	0.5	4
94	Can a Network Attack Be Simulated in an Emulated Environment for Network Security Training?. Journal of Sensor and Actuator Networks, 2017, 6, 16.	2.3	4
95	Cybersecurity Issues in Emerging Technologies. , 0, , .		4
96	A Mamdani Type Fuzzy Inference System to Calculate Employee Susceptibility to Phishing Attacks. Applied Sciences (Switzerland), 2021, 11, 9083.	1.3	4
97	Security and privacy challenges in the field of iOS device forensics. AIMS Electronics and Electrical Engineering, 2020, 4, 249-258.	0.8	4
98	Control and optimization of the Corona effects and breakdown of small rod-plate air gaps stressed by dc and impulse voltages. , 2013, , .		3
99	Optimization of Corona onset and breakdown voltage of small air gaps stressed by DC and impulse voltages. , 2013, , .		3
100	Architectural and information theoretic perspectives of physical layer intruders for direct sequence spread spectrum systems. Computers and Security, 2017, 70, 124-143.	4.0	3
101	On data leakage from non-production systems. Information and Computer Security, 2017, 25, 454-474.	1.5	3
102	Taxonomy of Biometric-based Authentication Schemes for Mobile Computing Devices. , 2018, , .		3
103	SSH Honeypot: Building, Deploying and Analysis. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	3
104	Artificial Intelligence as Enabler for Sustainable Development. , 2021, , .		3
105	A multiplayer game model to detect insiders in wireless sensor networks. PeerJ Computer Science, 2022, 8, e791.	2.7	3
106	SAMA: Security-Aware Monitoring Approach forÂLocation Abusing andÂUAV GPS-Spoofing Attacks onÂInternet ofÂVehicles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 343-360.	0.2	3
107	Distributed Skip Air Index for smart broadcasting in intelligent transportation systems. , 2012, , .		2
108	A Robust Eco-Routing Protocol against Malicious Data in Vehicular Networks. , 2015, , .		2

#	Article	IF	Citations
109	A novel adaptive learning management system using ontology. , 2015, , .		2
110	Trace-Based Verification of Rule-Based Service Choreographies. , 2018, , .		2
111	RF Jamming Classification Using Relative Speed Estimation in Vehicular Wireless Networks. Security and Communication Networks, 2021, 2021, 1-16.	1.0	2
112	Digital Transformation and Cybersecurity of Critical Infrastructures. Applied Sciences (Switzerland), 2021, 11, 8357.	1.3	2
113	Taxonomy of Supervised Machine Learning for Intrusion Detection Systems. Springer Proceedings in Business and Economics, 2020, , 619-628.	0.3	2
114	Effect of Network Architecture Changes on OCSVM Based Intrusion Detection System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 90-100.	0.2	2
115	The Insider Threat: Reasons, Effects and Mitigation Techniques. , 2020, , .		2
116	Cybersecurity of Critical Infrastructures: Challenges and Solutions. Sensors, 2022, 22, 5105.	2.1	2
117	Convergence of detection probability, computational gains, and asymptotic analysis of an algorithm for physicalâ€layer intrusion detection system. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3430.	2.6	1
118	Between Location protection and Overthrowing: A Contrariness Framework Study for Smart Vehicles. , 2021, , .		1
119	A Novel Hybrid Cyber Range for Security Exercises on Cyber-Physical Systems. International Journal of Smart Security Technologies, 2021, 8, 16-34.	0.3	1
120	Quantum Cryptography in Maritime Telecommunications. , 2021, , .		1
121	CYRAN. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 226-241.	0.4	1
122	Social Aspect of Vehicular Communications. EAI Endorsed Transactions on Cloud Systems, 2015, 1, e6.	0.2	1
123	Delay Efficient Backpressure Routing in Wireless Ad Hoc Networks. EAI Endorsed Transactions on Mobile Communications and Applications, 2014, 1, e5.	0.5	1
124	Novel Intrusion Detection Mechanism with Low Overhead for SCADA Systems. , 2020, , 299-318.		1
125	Blockchain Based Voting Systems. , 2020, , .		1
126	The Cost Perspective of Password Security. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 319-330.	0.4	1

#	Article	IF	Citations
127	From Cyber Terrorism to Cyber Peacekeeping: Are we there yet?. , 2020, , .		1
128	Uncuffed: A Blockchain-based Secure Messaging System. , 2021, , .		1
129	Blockchain Technology: A case study in supply chain management. , 2021, , .		1
130	The end of Eavesdropping Attacks through the Use of Advanced End to End Encryption Mechanisms. , 2022, , .		1
131	New Metrics for Characterizing the Significance of Nodes in Wireless Networks via Path-Based Neighborhood Analysis. , 2009, , .		0
132	Optimization and prediction of dielectric behavior of small air gaps stressed by DC voltages. , 2014, , .		0
133	Protecting Civilians from Cyber Warfare with Cyber Buffer Zones. International Journal of Smart Security Technologies, 2019, 6, 31-48.	0.3	0
134	A CLUSTERING â€" BASED METHOD FOR GENE EXPRESSION COMPARISON IN EMBRYONIC STEM CELL DERIVED HEAMNGIOBLASTS AND ADULT BONE MARROW STROMAL CELLS. , 2010, , .		0
135	Coupling of the synchronization stations of an Extended Kanban system. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2015, 2, e5.	1.5	0
136	OSNs as Cyberterrorist Weapons against the General Public. Advances in Information Security, Privacy, and Ethics Book Series, 2017, , 179-197.	0.4	0
137	Security Visualization: Detecting Denial of Service. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 39-49.	0.2	0
138	A Novel Method for Calculating Customer Reviews Ratings. Advances in Computer and Electrical Engineering Book Series, 2018, , 460-478.	0.2	0
139	SCIPS. , 2018, , 1168-1183.		0
140	Security of Systems on Chip. , 2020, , .		0
141	Cooperative Speed Estimation of an RF Jammer in Wireless Vehicular Networks. Lecture Notes in Computer Science, 2020, , 205-223.	1.0	0
142	Developing Cyber Buffer Zones. , 2020, , 287-303.		0
143	Cyber Threats in the Healthcare Sector and Countermeasures. Advances in Business Strategy and Competitive Advantage Book Series, 2020, , 109-124.	0.2	0
144	Assessment of Machine Learning Techniques for Building an Efficient IDS. , 2020, , .		0

#	Article	IF	Citations
145	Healthcare Security Incident Response Strategy - A Proactive Incident Response (IR) Procedure. Security and Communication Networks, 2022, 2022, 1-10.	1.0	0
146	Development and application of the Information Security Core Human Error Causes (IS-CHEC) technique. , 2022, , 267-295.		0